

Patent Claims

- 1) A distribution board connection module for telecommunications and data technology, comprising a housing in which externally accessible input and output contacts for connection of lines and conductors are arranged, with the housing having a cavity in which at least one printed circuit board is arranged, with the input and output contacts being arranged on the opposite end faces of the housing, and with the input contacts being in the form of at least one connecting strip with insulation-displacement terminal contacts,
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- wherein**
- the input and output contacts are detachably connected to the printed circuit board (6), with the connecting strip (5) to which the input contacts are fitted being detachably connected via a front part (7) to the housing (2), with the insulation-displacement terminal contacts (41) being
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- connected to the printed circuit board (6) via fork contacts (42), and with the connection between the front part (7) and the housing (2) being designed such that, when the connection is detached, the connecting strip (5) which is connected to the front part (7) is moved together with
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- the fork contacts (42) away from the printed circuit board (6).
- 2) The distribution board connection module as claimed in claim 1, wherein the connection between the front part (7) and the housing (2) has at least one screw (15) which is associated with the front part (7) and one thread (51) which is associated with the housing (2), with the screw (15) being
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- fixed to the front part (7).
- 3) The distribution board connection module as claimed in claim 2, wherein the screw (15) is fixed to the front part (7) via a groove (19) between the screw head (17) and the thread (18).
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- 4) The distribution board connection module as claimed in claim 2 or 3, wherein the screw (15) is connected to the front part (7) such that it is held captive.

- 5) The distribution board connection module as claimed in one of the preceding claims, wherein the housing (2) has a stop (54), with the printed circuit board (6) resting with its end face, which is associated with the input contacts, behind the stop (54) in the inserted state.
- 6) The distribution board connection module as claimed in claim 5, wherein the side walls have guide slots (14) for supporting the printed circuit board (6), with one edge of the guide slot (14) being formed obliquely.
- 7) The distribution board connection module as claimed in one of the preceding claims, wherein the housing (2) is composed of metal.
- 8) The distribution board connection module as claimed in one of the preceding claims, wherein the base part and the cover (3) of the housing (2) are separated parts which can be connected to the side walls.
- 9) The distribution board connection module as claimed in claim 8, wherein the cover (3) and/or the base part are/is formed from a spring steel sheet, with profiled forks (8) being arranged on this spring steel sheet, by means of which the distribution board connection module (1) can be latched onto profiled rods (62).
- 10) The distribution board connection module as claimed in claim 9, wherein the cover (3) and/or the base part are/is screwed to the side walls in the area of the profiled forks (8).
- 11) The distribution board connection module as claimed in one of claims 7 to 10, wherein spring contacts (11) are arranged on the housing (2), are connected to the printed circuit board (6), and make a ground contact.
- 12) The distribution board connection module as claimed in one of claims 9 to 11, wherein the lower and upper profiled forks (8) are formed from a sheet-metal part (60).

- 13) The distribution board connection module as claimed in claim 12, wherein the sheet-metal part (60) is screwed to the housing (2).
- 5 14) The distribution board connection module as claimed in claim 13, wherein the spring contacts (11) are connected to the sheet-metal part (60).
- 10 15) The distribution board connection module as claimed in one of the preceding claims, wherein the housing rear wall (57) is detachably connected to the housing (2).
- 15 16) The distribution board connection module as claimed in one of claims 1 to 14, wherein the rear wall (57) has side slots into which the connecting strips (5) can be inserted and latched from the side.
- 20 17) The distribution board connection module as claimed in one of the preceding claims, wherein cable guides (13) can be plugged into the side walls of the housing (2).
- 25 18) The distribution board connection module as claimed in one of the preceding claims, wherein each front part (7) has two associated connecting strips (5), and one connecting strip (5) or one plug connector is arranged on the opposite end face.
- 30 19) The distribution board connection module as claimed in one of the preceding claims, wherein the contact elements (40) of the connecting strips (5) are mechanically supported in the connecting strips (5) such that the connecting strips (5) can be connected in advance to conductors outside the distribution board connection module.